

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 101534,128
Source: EF009
Date Processed by STIC: 8/14/06

ENTERED



IFWP

RAW SEQUENCE LISTING DATE: 08/14/2006
PATENT APPLICATION: US/10/534,128 TIME: 12:28:12

Input Set : E:\SEQ LISTING.txt
Output Set: N:\CRF4\08142006\J534128.raw

1 <110> APPLICANT: KOREA CHUNGANG EDUCATIONAL FOUNDATION
3 <120> TITLE OF INVENTION: Plant seed-specific expression promoter derived
from sesame and
4 seed-specific expression vector comprising the promoter
6 <130> FILE REFERENCE: Gn14288
C--> 8 <140> CURRENT APPLICATION NUMBER: US/10/534,128
C--> 8 <141> CURRENT FILING DATE: 2005-05-06
8 <150> PRIOR APPLICATION NUMBER: KR 10-2002-0069589
9 <151> PRIOR FILING DATE: 2002-11-11
11 <160> NUMBER OF SEQ ID NOS: 3
13 <170> SOFTWARE: KopatentIn 1.71
15 <210> SEQ ID NO: 1
16 <211> LENGTH: 3102
17 <212> TYPE: DNA
18 <213> ORGANISM: Sesamum indicum
20 <220> FEATURE:
21 <221> NAME/KEY: 5'UTR
22 <222> LOCATION: (1)..(1746)
24 <220> FEATURE:
25 <221> NAME/KEY: intron
26 <222> LOCATION: (149)..(1722)
28 <220> FEATURE:
29 <221> NAME/KEY: 3'UTR
30 <222> LOCATION: (2899)..(3102)
32 <400> SEQUENCE: 1
33

aacgcactc aaatatttca ccaccaccac caccagaaca ttcagaaaca agaaataaac	60
35	
acacacacac tataaaacag ttcttgcgaa agaaggaaag cgcttccgca gaagtgcgtt	120
37	
cacgcgattt ctccttccaa gtttcaggt aacgtgcccc ctttcttctt ctcttctatt	180
39	
ctctttctc ataattcatg atcaatctt gagtatttg gtgttgtgt gtctcaagaa	240
41	
aaccgcattt ttatattctt gcaatggtgt ctttatccc tgtcgaaaa tttagctatt	300
43	
aatgttcttt tgatgttagat gaggttaat cgtatgttct tgagctgcat tacctgatga	360
45	
ttcatggatc tgaggaatgt atgcgatttt ttattttgt tttatttttt ggtgggttt	420
47	
cccaagaaga atctatattgg ggattttctt gtgtggttt gtgcaaattt ttggatttt	480
49	
cgcagattt gttctggac cacatgattt tgtcatttat atttggattt tgtctttatc	540
51	

tttgtatgca tgtggatgc aggaagaaaa aactgtggta aatgtcttg aagagattga	600
53	
tttagcatat atacaagggtt gcctgggctt cagtttgat gatTTGATG tacattgtgg	660
55	
agatttgatg ggTTGcatgt ggCTCAAATC ttCTTGTaaG atttGTTTT TGTCCAAAAA	720
57	
atTTGGGATT tttccactt tattGAACAG tagatCTTT CCTGTTCAA CCCAAAAGTT	780
59	
atTTCGGTTT gaAGTTTAC atCATAGATA TAATTAGTAa TAAATTCGG ttaggtccgt	840
61	
aaAGAACAT TAATTACATC AATTAATATT GTTAAATGTA CAAAAGAGG GAATTATGG	900
63	
tGATATCTAT gaAGCCATGC tatGCCTGGC tGGAATTCCG tcGATGAAAA AGACAGATTc	960
65	
cGGTGTGTGG tagATTCAC tGTTAGTGAA TACCCCACtT CAAAGAACGG tgCTGATTCA	1020
67	
actGCTCTAG tcCTCAGGAT tttAGTACTA CTTGTTGCT GTTGGAACA CATGGCTGAA	1080
69	
aataaatgtc tgCTTTcga cttggcgct tagagaattt actaccacat ctcattttta	1140

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71	gcatccaaac gatgattct gctgtcagaa tgaatgaatt gactaagagc aactcggtta	1200
73	tttgagattg aattggttgt ttgtgattgt tggtgatttg ttttgcgt tatgatctt	1260
75	tgaggatttc gccataacaat gctgatacta gtcgttgtga tttccggta tatgtattt	1320
77	tgacgtatcg ttctgttagtt tggttaactaa tagaatgcat gtgggtgtaa ctaatagaat	1380
79	gcatgtgtta gtaacaaatg cacattgttag attctcgtagg attttcggg tgttcggtac	1440
81	cagcacattg ccgattctgg tatgattttt gtcgtgttca ttgttagtt gccttcttg	1500
83	gctgcacta tttcatttag aatgtaggac gttgtcgat gcaaaaagaac ttttgcgac	1560
85	tagaatgcag gtggcaatct ggaatctcct attatggag gaactactgt aattggagg	1620
87	ttttgattca gacaatctag taacagtcta gaagctactt tgcctttaaa tctcaatgac	1680
89	cttaaacgcc atgatggaga catttgaatc catgtttgc aggtaaattt gggcggtt	1740
91	gacaaaatgg gagccggagg acgcatgtct gatccaacaa cgaaaagacga acaaaaagaag	1800
93	aacccctcc aacgggtgcc ttacgcaaag cctccattca cactcggtga catcaagaag	1860
95	gccatccac cacactgctt cgagagatcc gtcagccgtt cgttctcta tgtcgttac	1920
97	gatctcgta ttgtttctt tctctactac attgcgactt cttacttcca tctgctgcca	1980
99	tccccatact gctacctagc ttggcccatt tactggctg tacaaggctg cgttgcacc	2040
101	ggaatctggg tcattgccc tgaatgtggc caccatgcat tcagcgatta ccagtggctt	2100
103	gacgacacag ttggcctcat cctgcactct gccctgctcg tgccctattt ctcatggaa	2160
105	tacagccacc gccgccacca ctccaaacact ggatccctt agcgtgacga agtcttcgtc	2220
107	ccaaagccaa aatccagagt ctcgtggta tccaaatact tgaacaatcc acttggcaga	2280
109	gtcatcacac ttgtggttac tcttactctc gttggcctc tataactgct gttaatgtc	2340
111	tctggcaggc cttacaaccg ttttgcattgc cactttgacc catatggtcc aatatataat	2400
113	gaccgtgaga gacttcaaattt cttcatctcc gatgctggta taattgctgc tgtatgtgt	2460
115	ctttatcgta ttgtttggta caaagggttg gttggctgg tatgtgtta tgggttaccg	2520
117	ttactcattt tcaacggttt cttgttttg atcacattcc ttcagcacac tcacccttcg	2580
119	ttgcccact atgattcttc cgagtggac tggctaaggg gagctttgc aactgtcgac	2640
121	agagattatg gggtgctaaa taagggtgttc cataacatca cagatacgca cgtgactcac	2700
123		

cacctttct caacgatgcc acattaccat gcaatggagg caactaaggc aatcaagccc	2760
125	
atactgggcc agtattatca gtttcatgga accccgttt acaaggcgat gtggaggag	2820
127	
gcaaaggaaat gtctgtatgt cgagccagac gagagtactc cagacaaggg tgtattctgg	2880
129	
tacaagaaca agttctgaag ccgaataaca tgtggtagt gaaaatggcg tcttcttatt	2940
131	
ttgtcctatg gagatggagg aacatcatca tgccccctt ttcttcttat aagatgcgtc	3000
133	
ctttgttagt gtattctctg catgtataa aataaaacttc tacccgaaac cttgtctgtg	3060
135	
ctggtcggat tctagttctg caataaattg tcaagtttag tg	3102
138 <210> SEQ ID NO: 2	
139 <211> LENGTH: 383	
140 <212> TYPE: PRT	
141 <213> ORGANISM: Sesamum indicum	
143 <400> SEQUENCE: 2	
144 Met Gly Ala Gly Gly Arg Met Ser Asp Pro Thr Thr Lys Asp Glu Gln	
145 1 5 10 15	
147 Lys Lys Asn Pro Leu Gln Arg Val Pro Tyr Ala Lys Pro Pro Phe Thr	
148 20 25 30	
150 Leu Gly Asp Ile Lys Lys Ala Ile Pro Pro His Cys Phe Glu Arg Ser	
151 35 40 45	
153 Val Ser Arg Ser Phe Ser Tyr Val Val Tyr Asp Leu Val Ile Val Phe	
154 50 55 60	
156 Leu Leu Tyr Tyr Ile Ala Thr Ser Tyr Phe His Leu Leu Pro Ser Pro	
157 65 70 75 80	
159 Tyr Cys Tyr Leu Ala Trp Pro Ile Tyr Trp Ala Val Gln Gly Cys Val	

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160	85	90	95
162	Cys Thr Gly Ile Trp Val Ile Ala His Glu Cys Gly His His Ala Phe		
163	100	105	110
165	Ser Asp Tyr Gln Trp Leu Asp Asp Thr Val Gly Leu Ile Leu His Ser		
166	115	120	125
168	Ala Leu Leu Val Pro Tyr Phe Ser Trp Lys Tyr Ser His Arg Arg His		
169	130	135	140
171	His Ser Asn Thr Gly Ser Leu Glu Arg Asp Glu Val Phe Val Pro Lys		
172	145	150	155
174	Pro Lys Ser Arg Val Ser Trp Tyr Ser Lys Tyr Leu Asn Asn Pro Leu		
175	165	170	175
177	Gly Arg Val Ile Thr Leu Val Val Thr Leu Thr Leu Gly Trp Pro Leu		
178	180	185	190
180	Tyr Leu Leu Phe Asn Val Ser Gly Arg Pro Tyr Asn Arg Phe Ala Cys		
181	195	200	205
183	His Phe Asp Pro Tyr Gly Pro Ile Tyr Asn Asp Arg Glu Arg Leu Gln		
184	210	215	220
186	Ile Phe Ile Ser Asp Ala Gly Ile Ile Ala Ala Val Cys Val Leu Tyr		
187	225	230	235
189	Arg Val Ala Leu Val Lys Gly Leu Ala Trp Leu Val Cys Val Tyr Gly		
190	245	250	255
192	Val Pro Leu Leu Ile Val Asn Gly Phe Leu Val Leu Ile Thr Phe Leu		
193	260	265	270
195	Gln His Thr His Pro Ser Leu Pro His Tyr Asp Ser Ser Glu Trp Asp		
196	275	280	285
198	Trp Leu Arg Gly Ala Leu Ala Thr Val Asp Arg Asp Tyr Gly Val Leu		
199	290	295	300
201	Asn Lys Val Phe His Asn Ile Thr Asp Thr His Val Thr His His Leu		
202	305	310	315
204	320	325	335
207	Phe Ser Thr Met Pro His Tyr His Ala Met Glu Ala Thr Lys Ala Ile		
208	340	345	350
210	Lys Pro Ile Leu Gly Gln Tyr Tyr Gln Phe Asp Gly Thr Pro Phe Tyr		
211	355	360	365
213	Lys Ala Met Trp Arg Glu Ala Lys Glu Cys Leu Tyr Val Glu Pro Asp		
214	370	375	380
219	<210> SEQ ID NO: 3		
220	<211> LENGTH: 660		
221	<212> TYPE: DNA		
222	<213> ORGANISM: Sesamum indicum		
224	<220> FEATURE:		
225	<221> NAME/KEY: promoter		
226	<222> LOCATION: (1)..(660)		
227	<223> OTHER INFORMATION: promoter of microsomal oleic acid desaturase		
coding gene			
230	<400> SEQUENCE: 3		
231	catatgtgaa atgtaatgga aaatgcgaca agaattgcaa tagagaaaat ccaatttgca	60	
233			
gagattacat gaaaagaatt tgtacaaata gcatatatat gttaaaatga aatggacat	120		
235			
gccacattat gtggaataaa aaagacaatt tgcttggaat taattataga ataaatgtgt	180		

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237	tacatttaat atgtgattaa tcacttttt tgaattgtac atctatcaca tgacaaggtc	240
239	attatatttg acatataatt tgtttatgtc tagtcaagcc taattaaatt tctcgaaag	300
241	cacaaaattt ttttgtccta accaggttg aacaaccaa caaatcacaa agcaggtgt	360
243	tcgcacttgc gatgtgatcg gtcactttt ctaaattgtt catcattcac acgacaactg	420
245	tatttgctc caagttcaat tgagtgcggt tggagctata atttccttga acacacaaatg	480
247	tggaatgtgc acactccatg tgggccaatg agcggatgac acgtggcggg caacttacct	540
249	cgttacgttg aggcatgcat gaaaggggga tctcttgagg tggaggggtg ggggcggggg	600
251	ttgggggggg gcccctcctc agacaggtct atatttatga gacctcgtaa ggcagaacgc	660
253		660

VERIFICATION SUMMARY DATE: 08/14/2006
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L:8 M:270 C: Current Application Number differs, Replaced Current Application No
L:8 M:271 C: Current Filing Date differs, Replaced Current Filing Date